

DERWENT-ACC-NO: 1990-080375

DERWENT-WEEK: 199011

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TITLE: Far infrared emitting polyester
compsn. for textile thin
film prodn. - prep'd. by adding
ceramic fine powder
slurry, in e.g. ethylene glycol, to
system for
polyethylene-terephthalate! synthesis

PATENT-ASSIGNEE: NIPPON ESTER CO LTD [NPEC] , UNITIKA
LTD [NIRA]

PRIORITY-DATA: 1988JP-0184421 (July 23, 1988)

PATENT-FAMILY:

PUB-NO	PUB-DATE	
LANGUAGE	PAGES	MAIN-IPC
JP 02034659 A	004	February 5, 1990
	N/A	N/A

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
JP 02034659A	N/A	
1988JP-0184421	July 23, 1988	

INT-CL (IPC): C08G063/78, C08K003/00 , C08L067/02

ABSTRACTED-PUB-NO: JP 02034659A

BASIC-ABSTRACT:

Prepn. of far infrared emitting polyester compsn. is characterised by adding 0.1-10 wt.% of the polymer of ceramic fine powder, which has average particle dia. up to 1 micron and at least 60% of spectral emittivity in the far infrared region (wave length 5-20 micron), in the form of a slurry dispersed in ethylene

glycol, or liq. consisting mainly of the same, to the reaction system for synthesising polyethyleneterephthalate or polyester consisting mainly of the same at the optional time in the course of the process but before the polycondensation begins.

USE/ADVANTAGE - The polyester compsn. obtd. by the prepn. is useful for making textile or thin film having a warming effect caused by the emission of far infrared radiation. The prepn. process is useful for incorporating far infrared emitting ceramic substance in a finely dispersed state to the polyester prods.

TITLE-TERMS: INFRARED EMIT POLYESTER COMPOSITION TEXTILE THIN FILM PRODUCE

PREPARATION ADD CERAMIC FINE POWDER SLURRY
ETHYLENE GLYCOL SYSTEM
POLYETHYLENE POLYTEREPHTHALATE SYNTHESIS

DERWENT-CLASS: A23

CPI-CODES: A05-E04B; A08-M09C; A09-A01A;

UNLINKED-DERWENT-REGISTRY-NUMBERS: 1527U

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0004 0016 0037 0205 0224 0075 0105 0114 0160
0228 1291 3178 1319
1462 2043 2064 2150 2319 2513 2528 2654 2663
Multipunch Codes: 014 03& 038 07& 07- 075 08& 09& 09- 10-
143 144 15& 15- 151
155 163 166 169 170 171 18- 229 239 262 293 342 344 435 44&
481 483 575 596 604
689 725

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1990-035410